

WILDLIFE HABITAT APPRAISAL GUIDE-MISSOURI

Landowner _____ Appraiser _____

Location T _____ R _____ S _____ County _____

Total Acres Appraised _____

Completed by MDC _____ ConAg _____ SCS _____ Other _____

GREEN-BACKED HERON

Field No. _____

Habitat Characteristics

Acres

Percent Bottomland Hardwoods and Nonforest Wetlands in 2 Mile Wide Circle (2,000 Ac.)

1. >75%
2. 50-75%
3. 25-50%
4. 10-25%
5. <10%

Emergent Vegetation Coverage (% wetland)

1. 25-50%
2. 10-25%
3. 50-75%
4. <10% or >75%

Wetland Size¹

1. >25 acres
2. 5-25 acres
3. <5 acres

Water Depth 4"-18" Deep (% wetland by August)

1. >75%
2. 50-75%
3. 25-50%
4. <25%

Water Regime¹

1. Gradual drying with >75% water remaining by Aug. 1; or stable water
2. Gradual drying with 50-75% water remaining by Aug. 1
3. Gradual drying with 25-50% water remaining by Aug. 1
4. Gradual drying with 10-25% water remaining by Aug. 1
5. Rapid drying; or no water after June 1

Woody Invasion

1. <10%
2. 10-25%
3. 25-50%
4. 50-75%
5. >75%

Wetland Edge (Score as indicated below)

1. >75% Nonforest Wetland - % edge with woody vegetation
2. 50-75%
3. 25-50% Bottomland Hardwood - % edge with nonforest wetland
4. 10-25%
5. <10%

Woodland Size Class and Canopy Coverage

1. Sawtimber - Open Canopy
2. Sawtimber - Closed Canopy
3. Pole with 25-50% Sawtimber
4. Regeneration with 25-50% Sawtimber
5. Regeneration
6. Pole

Habitat Types							
Nonforested Wetland				Bottomland Hardwoods			
10	10	10	10	10	10	10	10
8	8	8	8	8	8	8	8
6	6	6	6	6	6	6	6
4	4	4	4	4	4	4	4
1	1	1	1	1	1	1	1
10	10	10	10	10	10	10	10
7	7	7	7	7	7	7	7
4	4	4	4	4	4	4	4
1	1	1	1	1	1	1	1
10	10	10	10	10	10	10	10
5	5	5	5	5	5	5	5
1	1	1	1	1	1	1	1
10	10	10	10				
7	7	7	7				
4	4	4	4				
1	1	1	1				
10	10	10	10				
7	7	7	7				
4	4	4	4				
2	2	2	2				
1	1	1	1				
1	1	1	1				
6	6	6	6				
8	8	8	8				
10	10	10	10				
4	4	4	4				
10	10	10	10	10	10	10	10
8	8	8	8	8	8	8	8
6	6	6	6	6	6	6	6
4	4	4	4	4	4	4	4
1	1	1	1	1	1	1	1
				4	4	4	4
				1	1	1	1
				6	6	6	6
				8	8	8	8
				10	10	10	10
				6	6	6	6

Green-backed Heron

Subtotal

Date _____

Habitat Planning Key

○ - Existing

⊕ - Planned

● - Applied

		GREEN-BACKED HERON							
Subtotal.									
Field No.									
Permanent Water Within Woodland (through July)									
1. >25%						10	10	10	10
2. 10-25%						7	7	7	7
3. 5-10%						4	4	4	4
4. 1-5%						2	2	2	2
5. Zero						1	1	1	1
Percent Bottomland Hardwood within 660' of Permanent Water (Stream, oxbow, pool, pond)									
1. >75%						10	10	10	10
2. 50-75% (Multiply Index by .75)						8	8	8	8
3. 25-50% (Multiply Index by .50)						6	6	6	6
4. <25% (Multiply Index by .25)						4	4	4	4
Forest Openings (% of Stand with Openings <2 ac.)									
1. 15-30% Scattered	Score 10 points if <40 acre woodland;					10	10	10	10
2. 15-30% One or Few	or average width <660 feet.					7	7	7	7
3. 5-15%						4	4	4	4
4. <5% or >30%						1	1	1	1
Distance to Bottomland Hardwood or Riparian Woodland									
1. <1/4 mi.		5	5	5	5				
2. 1/4 - 1/2 mi.		3	3	3	3				
3. >1/2 mi.		1	1	1	1				
Distance to Stream or River with Permanent Pools or Flowing Water									
1. <1/4 mi.		10	10	10	10	10	10	10	10
2. 1/4 - 1/2 mi.		5	5	5	5	5	5	5	5
3. >1/2 mi.		1	1	1	1	1	1	1	1
Distance to Oxbow, Slough or Nonforest Wetland									
1. <1/8 mi.						10	10	10	10
2. 1/8 - 1/4 mi.						5	5	5	5
3. >1/4 mi.						1	1	1	1
Existing Total									
Planned Total									
Applied Total									
Habitat Type Index =									
Total Actual Score									
Max. Possible Score									
Farm Habitat Index =									
Existing Index									
Planned Index									
Applied Index									
Existing Farm = _____									
Index									
Planned Farm = _____									
Index									

Check Footnotes

85	85	85	85	100	100	100	100

Habitat	Score	0.75 - 1.0	0.50 - 0.75	0.25 - 0.50	0 - 0.25
Quality	Rating	Excellent	Good	Fair	Poor
Acres per bird		<5	5 - 10	10 - 15	> 15

NOTES:

1. If Wetland Size or Water Regime score 1, disregard other characteristics and enter .1 as Index.
2. If Percent Bottomland Hardwood within 660' of Permanent Water scores less than 10, multiply Habitat Type Index by indicated percent.



U.S.D.A.
Soil Conservation Service
Columbia, MO
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